| Index of Claims | | | | | | | | | | | | |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | |

| Application | n/Control No. |
|-------------|---------------|
|-------------|---------------|

10/797,060

Examiner

Susan W. Berman

Applicant(s)/Patent under Reexamination

HARA ET AL.

Art Unit

1711

| √ | Rejected |
|----------|----------|
| = | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| Z | Non-Elected |
|---|--------------|
| _ | Interference |

| Α | Appeal |
|---|----------|
| 0 | Objected |

| Clain | | T Da | | | | Date | | | | | 1 | Cle | vien | Date | | | | | | | _ | |
|------------------|---------------|----------------|----------|----------|----------|----------|----------|--------------|--|--------------|-------|-------|----------|-----------------|----------|---|----------|--------------|--------------|----------------|----------|---------------------|
| | | Date (0 1/2 52 | | | | | | | | | 31311 | Date | | | | | | | | | | |
| | | 6 | 14 85 | 02/16 | | | | | | | | Final | Original | | | | | | | | | |
| 1 | 1 | / | 1 | = | | | | | | | | | 51 | П | | | | Г | | | | |
| 2 | 2 | T | П | = | | | | Г | 1 | Г | 1 | | 52 | П | | | | | | | | П |
| 3 | 3 | T | 1 | = | | | _ | \vdash | 1 | <u> </u> | 1 1 | | 53 | \Box | \neg | | | | | | | П |
| 4 | 4 | 1 | V | = | | | Г | | T | Т | 1 | | 54 | \Box | T | | | | | | | П |
| | 5 | П | | | | | | | | | 1 1 | | 55 | | | | | _ | \vdash | Г | | П |
| | 6 | П | | | | | | \vdash | Τ | | 1 | | 56 | П | | | | | | <u> </u> | | |
| 5 | 7 | П | ~ | = | | | | Г | | | 1 | | 57 | \Box | | | | | | | | П |
| | 8 | V | 7 | = | | | | Ī | T | | 1 1 | | 58 | П | | | | | | Г | | П |
| | 9 | | | | | | | | | | 1 | | 59 | | | | | | | | | П |
| | 10 | | | | | | | | | Γ | 1 1 | | 60 | | | | | | | | | П |
| 1 1 | 11 | | | | | | | | | | 1 | | 61 | П | | | Г | | Г | Г | Г | \Box |
| 1 1 | 12 | | | | | | Г | Ī | | | 1 | | 62 | П | | | | | | | | |
| 1 | 13 | | | | | | П | | | | 1 | | 63 | | | | | | Г | | | |
| | 14 | | | | | | | Π | Τ | | | | 64 | | | | | | | | П | |
| | 15 | | | | | | | | | | | | 65 | | | | | | | | | |
| | 16 | | | | | | | | | |] [| | 66 | | | | | | | | | |
| | 17 | | | | | | | | | | | | 67 | | | | | | | | | |
| | 18 | | | | | | | | | | | | 68 | | | | | | | | | |
| | 19 | | | | | | | | | | | | 69 | | | | l " | | | | | |
| | 20 | | | | | | | | | | | | 70 | | | | | | | | | |
| | 21 | | | | | | | | | | | | 71 | | | | | | | | | |
| | 22 | | | | | | | | | | | | 72 | | | | | | | | | |
| | 23 | | | | | | | | | | | | 73 | | | | | | | | | |
| | 24 | | | | | | | | | | | | 74 | | | | | | | | | |
| | 25 | | <u> </u> | | | _ | | | | L. | | | 75 | | | | | | | | | |
| | 26 | | | | | | | L | L | | | | 76 | | | | | | | | | |
| | 27 | | | | | | | | _ | | | | 77 | | | _ | | | L | <u></u> | | Ш |
| | 28 | | <u> </u> | | | | | L | <u>L</u> | <u> </u> | | | 78 | | | | <u> </u> | | | | <u> </u> | Ш |
| | 29 | | _ | | | | | ╙ | ╙ | _ | | | 79 | | _ | | | _ | L | _ | L. | |
| | 30 | | | | | | | | <u> </u> | | | | 80 | | _ | | | | L | | L | Ш |
| 1 | 31 | | | | | L. | | <u> </u> | <u> </u> | L. | | | 81 | | _ | | _ | <u> </u> | | _ | L | Ш |
| | 32 | L., | | | L. | | | <u> </u> | L | L | | | 82 | | _ | | _ | <u></u> | _ | | | Ш |
| | 33 | _ | | | _ | | | | <u> </u> | _ | | | 83 | Ш | _ | | | <u> </u> | | _ | | Ш |
| | 34 | | | Ш | _ | <u> </u> | | | <u> </u> | <u> </u> | | | 84 | | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | Щ |
| | 35 | _ | | | _ | | | <u> </u> | <u> </u> | _ | | | 85 | Ш | _ | | | <u> </u> | | | <u> </u> | Ш |
| | 36 | | | Ш | <u> </u> | L | <u> </u> | - | — | <u> </u> | | - | 86 | \square | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ш |
| | 37 | | | | | | | <u> </u> | <u> </u> | <u> </u> | | | 87 | | _ | | <u> </u> | <u> </u> | <u> </u> | — | - | $\vdash \downarrow$ |
| | 38 | <u> </u> | | Щ | <u> </u> | <u> </u> | \vdash | <u> </u> | ├- | ├- | | | 88 | \vdash | | _ | _ | ├ | <u> </u> | | | $\vdash \vdash$ |
| 3 | 39 | _ | Ш | Ш | <u> </u> | _ | <u> </u> | <u> </u> | \vdash | \vdash | | | 89 | $\vdash \vdash$ | | | - | | | | | \vdash |
| 4 | 40 | | | | | | | <u> </u> | ├— | | | | 90 | \vdash | \dashv | _ | <u> </u> | <u> </u> | <u> </u> | | | Щ |
| | 41 | <u> </u> | | Н | <u> </u> | <u> </u> | <u> </u> | - | ├- | | | | 91 | \vdash | _ | _ | _ | | \vdash | | <u> </u> | Н |
| 4 | 42 43 | | | \vdash | - | - | <u> </u> | | | ├- | | | 92 93 | \vdash | | | ļ | | | | _ | Н |
| | | _ | \vdash | Н | _ | \vdash | - | \vdash | | \vdash | | | | $\vdash \vdash$ | | | - | \vdash | - | - | - | Щ |
| | 44 | - | \vdash | Н | <u> </u> | \vdash | \vdash | \vdash | - | \vdash | | | 94 | \vdash | | | | \vdash | | — | - | Н |
| 4 | 45 46 | - | - | | <u> </u> | | - | - | | - | } | | 95 96 | \vdash | \dashv | | _ | \vdash | \vdash | ⊢ | \vdash | |
| | 46 47 | | | Н | | \vdash | _ | \vdash | \vdash | - | | | | \vdash | | _ | | \vdash | - | — | - | Н |
| | 47 48 | - | \vdash | \vdash | _ | \vdash | \vdash | \vdash | - | - | | | 97 | \vdash | - | _ | — | | \vdash | | | \vdash |
| | 48 49 | | - | \vdash | - | | | ⊢ | - | \vdash | | | 98 99 | \vdash | \dashv | | <u> </u> | - | \vdash | - | - | $\vdash \vdash$ |
| | 19 | - | H | \vdash | <u> </u> | - | ⊢ | - | ⊢ | - | | | 100 | \vdash | \dashv | | | | ├ | ⊢ | | $\vdash \vdash$ |
| | JŲ | | يــــا | | | | Ц. | Щ | | Щ | ŀl | | 100 | ш | l | | _ | L | L | <u> </u> | Щ. | لـــا |

| Cla | aim | Date | | | | | | | | | | |
|----------|----------|------|--|----------------|----------|--------------|--------------|--------------|--|----------|--|--|
| <u> </u> | I 1 | | | · · | Γ - | Γ | Ī | | | | | |
| Final | Original | | | | | | | | | | | |
| - | 51 | _ | ├ | \vdash | - | \vdash | - | _ | \vdash | \vdash | | |
| - | 52 | | | \vdash | <u> </u> | <u> </u> | H | \vdash | ┢ | Н | | |
| | 53 | | \vdash | \vdash | ┢ | ┢ | H | \vdash | - | \vdash | | |
| | 53 54 | | Н | \vdash | \vdash | \vdash | | | | | | |
| | 55 | | \vdash | | | | | | | | | |
| | 56 | | | | | | | | <u> </u> | | | |
| | 57 | | | | | | | | | | | |
| | 58 | | | | | | | | | | | |
| | 59 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |
| | 61 | | | | | | | L | | | | |
| | 62 | | | | | | | L | <u>_</u> | | | |
| | 63 | | <u> </u> | _ | | | | | _ | | | |
| | 64 65 | | | _ | | : | _ | | _ | Ш | | |
| | 65 | | <u> </u> | _ | _ | | _ | _ | _ | L. | | |
| | 66 | | <u> </u> | _ | | | <u> </u> | _ | | | | |
| | 67 | | <u> </u> | <u> </u> | <u> </u> | H | | <u> </u> | _ | Ш | | |
| - | 68 | | <u> </u> | | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | |
| | 69 | | _ | _ | _ | _ | _ | _ | <u> </u> | | | |
| _ | 70 71 | _ | | | | | | ├ | - | - | | |
| | 72 | | | | <u> </u> | <u> </u> | | - | - | <u> </u> | | |
| | 72 73 | | ┝ | - | _ | | - | - | - | \vdash | | |
| | 74 | - | ┝ | | - | | _ | | | - | | |
| - | 75 | | ┢ | - | | | - | | | - | | |
| | 76 | | \vdash | H | | H | | \vdash | ┝ | H | | |
| | 77 | | \vdash | | | H | | | \vdash | | | |
| | 78 | | | ┪ | | | | _ | | | | |
| | 78 79 | | | | | | | | <u> </u> | | | |
| | 80 | | | | | | | \Box | | | | |
| | 81 82 | | Г | Т | | | | | | | | |
| | 82 | | | | | | | | | | | |
| | 83 | | | | | | | | | | | |
| | 84 | | \Box | | | | | | <u> </u> | | | |
| | 85 | | | _ | L. | L | _ | | L | Ш | | |
| | 86 | | | | | | | | <u> </u> | Щ | | |
| | 87 | | | _ | | | | _ | _ | Ш | | |
| | 88 | | L | _ | | | | <u> </u> | _ | Ш | | |
| | 89 | | | _ | | _ | | _ | _ | Щ | | |
| | 90 | | _ | _ | | | | | | Щ | | |
| - | 91 92 | | | — | _ | | \vdash | _ | <u> </u> | Н | | |
| - | 93 | | | - | | | | | — | Н | | |
| \vdash | 94 | - | | - | - | \vdash | \vdash | _ | - | Н | | |
| - | 95 | | - | - | | \vdash | \vdash | _ | \vdash | Н | | |
| - | 96 | | \vdash | \vdash | H | H | \vdash | - | \vdash | Н | | |
| - | 97 | - | | - | - | | | - | \vdash | H | | |
| <u> </u> | 98 | | \vdash | | \vdash | | \vdash | | - | H | | |
| — | 99 | | | \vdash | H | - | H | - | ┢ | \vdash | | |
| | 100 | | H | | | | \vdash | | - | H | | |

| Cli | aim | Date | | | | | | | | | |
|-------|---------------------------------|--------------|--|----------------|--|--------------|--|--------------|--------------|----------------|--|
| | | | | | | Γ | · · | Γ | _ | М | |
| Final | Original | | | | | | | | | | |
| | 101 | | | | | | | | Г | П | |
| | 102 | | \vdash | | | | | - | _ | Н | |
| | 101 102 103 | | \vdash | | \vdash | | | \vdash | \vdash | Н | |
| | 104 | | \vdash | \vdash | \vdash | \vdash | | \vdash | ┢ | \vdash | |
| | 105 | | | | - | \vdash | | - | H | H | |
| | 104 105 106 | | \vdash | \vdash | \vdash | | | \vdash | \vdash | Н | |
| | 107 | | \vdash | \vdash | \vdash | - | - | ┝ | \vdash | - | |
| | 107 108 | _ | \vdash | \vdash | \vdash | H | | \vdash | H | Н | |
| | 109 | | \vdash | - | - | | | - | <u> </u> | | |
| | 110 | - | - | _ | _ | H | - | _ | ┝ | H | |
| | 111 | | - | ┝ | | - | _ | ⊢ | ├ | Н | |
| | 112 | - | \vdash | | | - | | | | Н | |
| - | 112 113 | - | | | | | | \vdash | - | Н | |
| | 114 | \vdash | \vdash | \vdash | \vdash | \vdash | - | \vdash | \vdash | Н | |
| | 115 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | Н | |
| | 116 | | \vdash | \vdash | \vdash | \vdash | | \vdash | \vdash | Н | |
| | 115 116 117 | | \vdash | \vdash | \vdash | | | - | \vdash | \vdash | |
| | 112 | | ├ | ┝ | \vdash | - | - | ⊢ | - | \vdash | |
| | 118 119 | | \vdash | — | ├- | ├ | | \vdash | - | $\vdash\dashv$ | |
| | 120 | | - | | - | | | ├ | | Н | |
| | 120 | | ├ | | | | - | | | | |
| | 122 | | | - | - | _ | | | - | Н | |
| | 121 122 123 124 125 | | ┢ | ├ | | | | ├ | | Н | |
| | 124 | | - | \vdash | ┝ | <u> </u> | _ | - | ┝ | Н | |
| | 125 | - | _ | | \vdash | - | | - | ┢ | Н | |
| | 126 | | | | ┝ | | | - | \vdash | Н | |
| | 126 127 128 | | | - | | - | | <u> </u> | - | H | |
| | 128 | | \vdash | \vdash | | | | - | ┢ | Н | |
| | 129 | | \vdash | | | | | | | H | |
| | 130 | - | | ┢ | - | \vdash | | | | | |
| | 131 | | _ | | ┢╾ | | _ | | | Н | |
| | 129 130 131 132 | | | | \vdash | \vdash | | | | Н | |
| - | 133 | | | \vdash | \vdash | | | | | Н | |
| _ | 134 | | | \vdash | \vdash | | | \vdash | | Н | |
| | 134 135 | | - | _ | \vdash | | | | | Н | |
| - | 136 | | | \vdash | \vdash | \vdash | | | | Н | |
| - | 137 | | | \vdash | \vdash | \vdash | Н | \vdash | | Н | |
| | 137 138 139 | | | \vdash | | <u> </u> | | <u> </u> | | Н | |
| | 139 | _ | | \vdash | | - | \vdash | <u> </u> | _ | H | |
| | 140 | | | 1 | | | _ | - | _ | \vdash | |
| - | 141 | | | | | | | | | П | |
| | 142 | | | | | | | Г | | П | |
| | 143 | | П | Г | Г | | | | | П | |
| | 144 | | | | | | | | | Н | |
| | 145 | | | \vdash | | | $\overline{}$ | _ | | Н | |
| | 146 | | | | | Г | | Г | | Н | |
| | 147 | | Г | \vdash | _ | Г | | | Г | H | |
| | 148 | | | | \vdash | <u> </u> | | | | Н | |
| | 149 | | П | | \vdash | Г | | Т | Г | Н | |
| | 150 | | | \vdash | \vdash | | | | | Н | |
| | | | | | | | | | | | |